

# SMART CONTROL BOX

Reliable. Versatile. Safe.



Franklin Electric

## Intelligent pump protection with the Smart Control Box (SCB)

The Smart Control Box (SCB) from Franklin Electric is the intelligent solution for reliable operation and comprehensive protection of single-phase and three-phase submersible and surface pumps.

Designed for demanding applications in water supply, pressure boosting, irrigation, sewage and wastewater, the SCB combines versatile protection functions with modern technology and robust design.

### Your advantages at a glance:

- ✓ **Reliable protection:** Integrated protection functions such as sensorless dry-running detection, overload, under- and overvoltage protection, phase failure and direction of rotation detection ensure maximum operational reliability.
- ✓ **Flexible control:** Whether via level or pressure switches, level probes or time control – the SCB adapts to your application.
- ✓ **Intuitive operation:** Dynamic LCD display, easy switching between operating modes and automatic pump calibration
- ✓ **Robust & durable:** With an IP65-rated housing, a temperature range of -25 °C to +55 °C and wall mounting, the SCB is designed for use in the harshest conditions.
- ✓ **Easy installation:** Removable plug-in terminals and cable lengths of up to 1000 m for sensor connections facilitate integration into existing systems.

### Technical Specification

- **power range:** 0.37 – 2.2 kW (1ph) | 0.55 – 15 kW (3ph)
- **motor type:**  
1-phase 230V PSC motor (permanent split capacitor) / 3-phase 400V asynchronous motor
- **voltage:** 1-phase, 220/230 V | 50/60 Hz  
3-phase, 380/400 V | 50/60 Hz
- **number of pumps:** 1
- **start-up procedure:** direct-on-line start (DOL)
- **ambient temperature:** -25 °C - 55 °C
- **humidity:** 20% - 90% RH, non-condensing
- **degree of protection:** IP65
- **wall mounting**

### protective functions

- sensorless dry-running detection
- blocked pump/shaft
- overload protection
- undervoltage protection
- surge protection
- phase failure
- Phase reversal - Direction of rotation



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1-phase, 220/230 V | 50/60 Hz

type	model no.	pump output [kW]	description
SCB55	284 630 3512	0,37 - 0,55	SCB55-0.55-230-1PH
SCB11	284 632 3512	0,75 - 1,1	SCB11-0.75-1.1-230-1PH
SCB15	284 633 3512	1,5	SCB15-1.5-230-1PH
SCB22	284 634 3512	2,2	SCB22-2.2-230-1PH
SCB*	284 634 4612	0,37 - 2,2	SCB 0.37-2.2-230-1PH-NO CAP

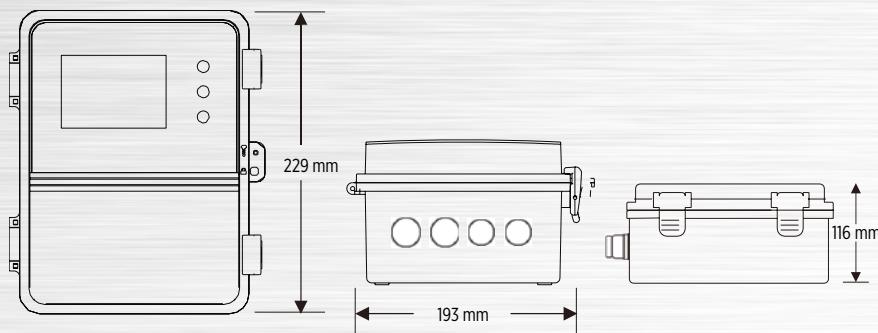
\*does not contain integrated capacitor

3-phase, 380/400 V | 50/60 Hz

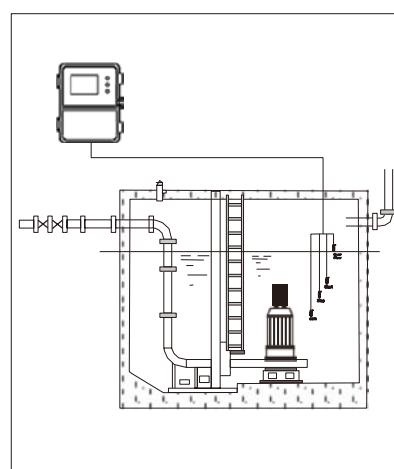
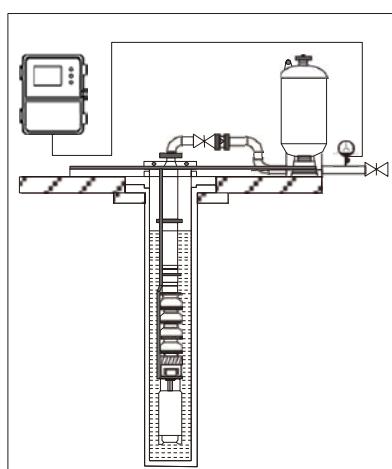
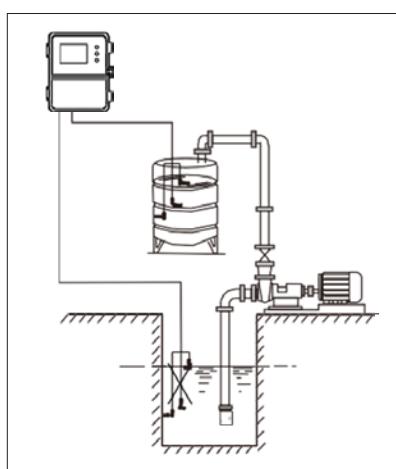
type	model no.	pump output [kW]	description
SCB340	288 520 3512	0,55 - 4,0	SCB340-0.75-4.0-400-3PH
SCB375	288 521 3512	5,5 - 7,5	SCB375-5.5-7.5-400-3PH
SCB311	288 522 3512	11	SCB311-11-400-3PH
SCB315	288 523 3512	15	SCB315-15-400-3PH

### Dimensions / weight:

- Dimensions: 229 × 193 × 116 mm
- weight: 1.6 kg net / 1.8 kg gross
- Package: 270 x 200 x 120 mm



### application diagram



### Typical areas of application



Water transfer  
& tank filling



Pressure boosting



Irrigation



Wastewater disposal